

Larynx

DATA DEFINITIONS: **Incidence data** were obtained from the Washington State Cancer Registry using primary site ICD-0 codes C32.0-C32.9, and excluding morphology codes 9590-9970. **Mortality data** were obtained from Washington State death certificates using the underlying cause of death ICD-9 codes 161.0-161.9

1994 Washington State Residents

Incidence and Mortality Summary by Sex

with rates per 100,000 and age-adjusted to 1970 US census population

Incidence			
	Male	Female	Total
All Reportable Cancers	183	46	229
Total Incidence Rates	7.4	1.6	4.3
Invasive Cancers*	161	46	207
Invasive Incidence Rates*	6.5	1.6	3.9
1994 National Rates*	7.2	1.6	4.1

*Excludes in situ cases

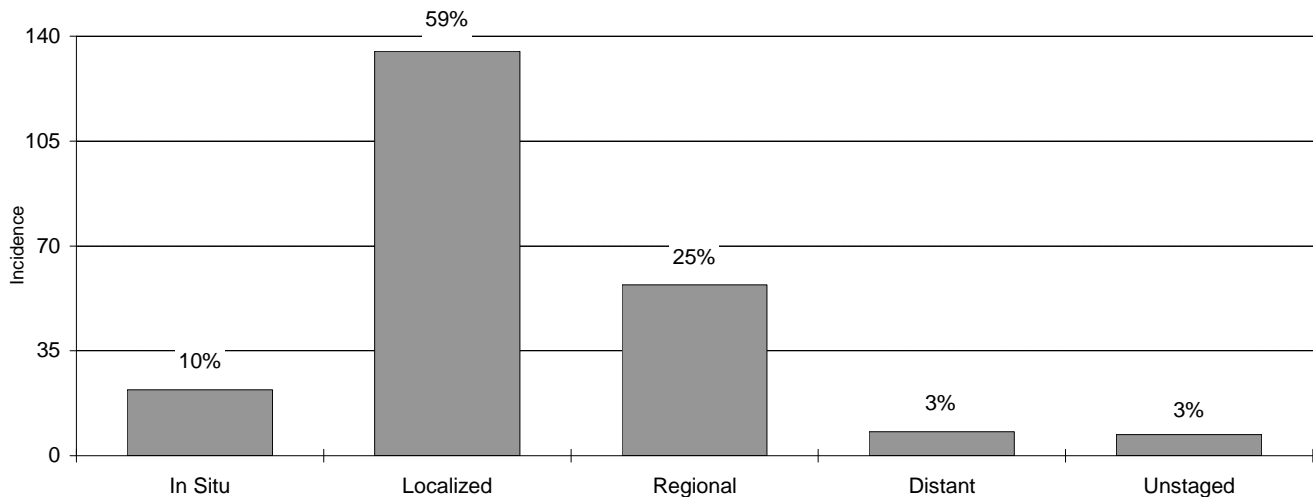
Mortality			
	Male	Female	Total
Deaths	39	12	51
Mortality Rates	1.5	0.4	0.9
1994 National Rates	2.5	0.5	1.3

1994 Washington State Residents

Stage at Diagnosis

Total Incidence and Percents

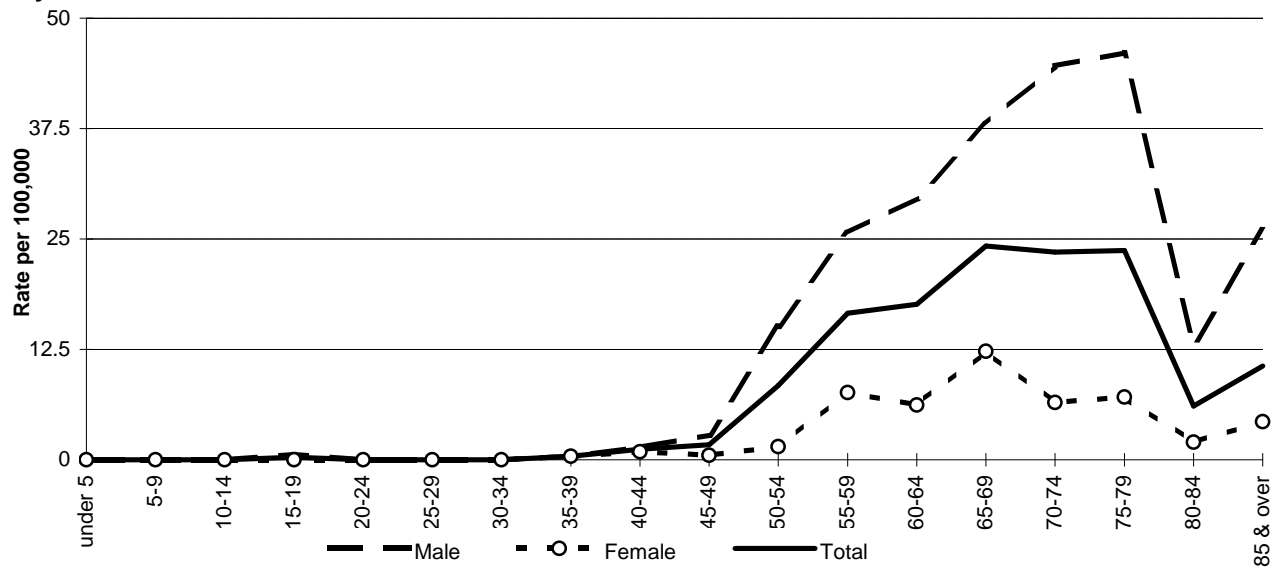
	All Stages	Localized
5-Year Survival Rates (US)	67.1%	84.6%



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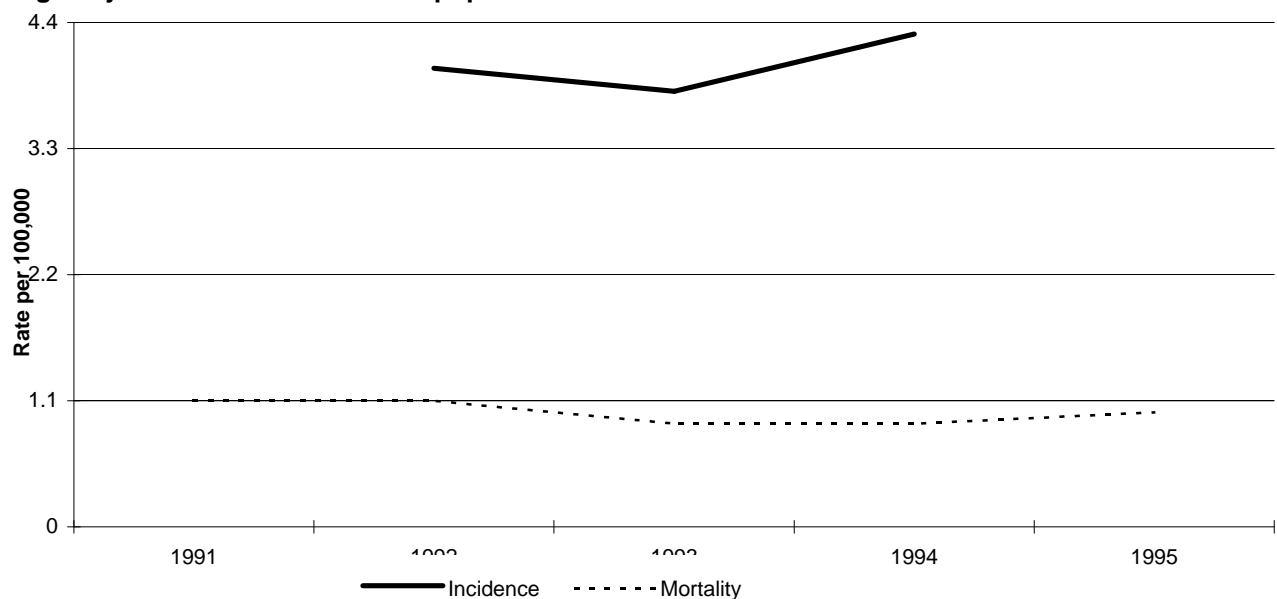
1994 Washington State Residents Age-Specific Incidence Rates

By Sex



Washington State Residents Incidence and Mortality Rate Trends

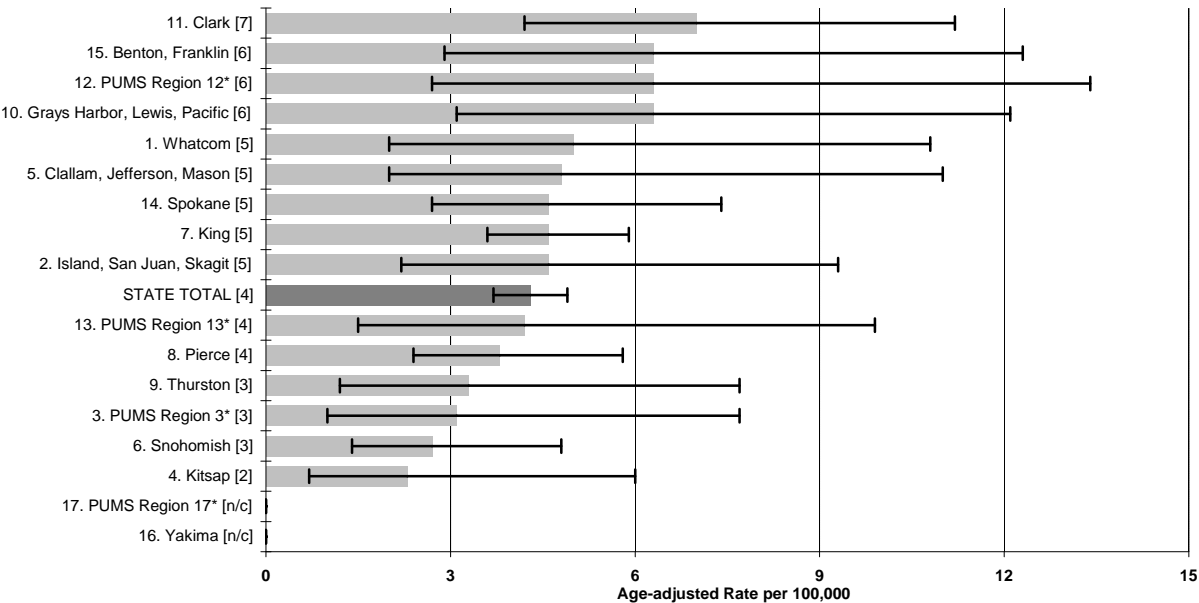
Age-adjusted to 1970 US census population



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1994 Washington State Residents

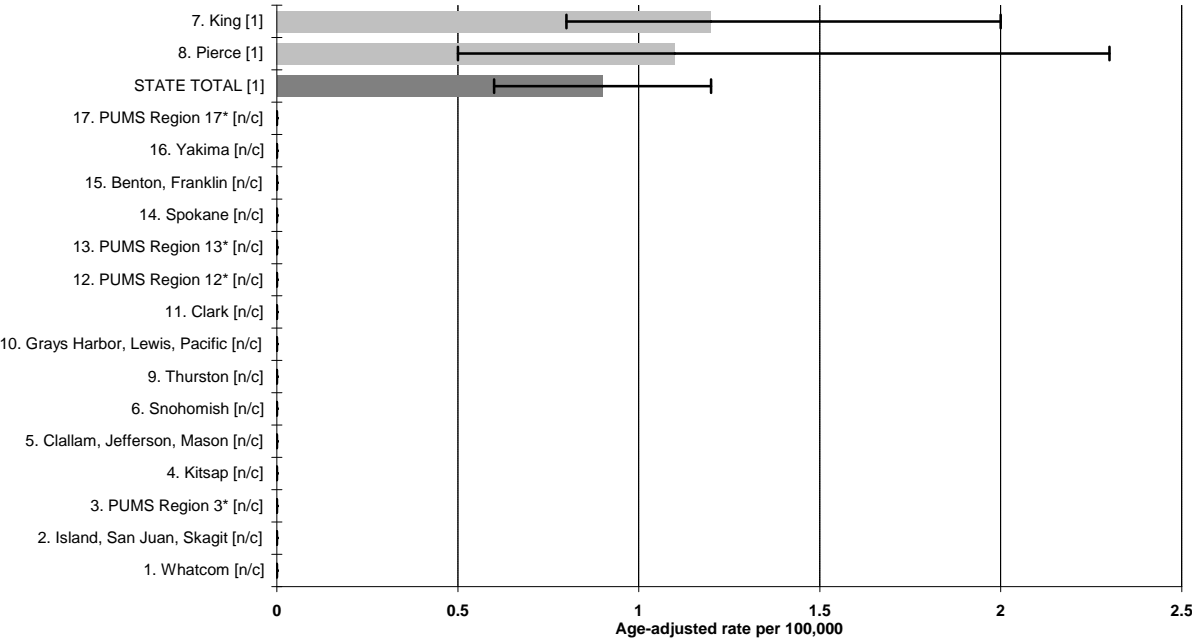
Incidence Rates by PUMS Regions with rates in []'s and 95% CIs in |—| Age-adjusted to 1970 US census population



Note: Rates and confidence intervals are not computed when the number of new cases is less than 5.

1994 Washington State Residents

Death Rates by PUMS Regions with rates in []'s and 95% CIs in |—| Age-adjusted to 1970 US census population



Note: Rates and confidence intervals are not computed when the number of new cases is less than 5.

* Region 3: Chelan, Douglas, Kittitas & Okanogan

Region 13: Adams, Ferry, Grant, Lincoln, Pend Oreille & Stevens

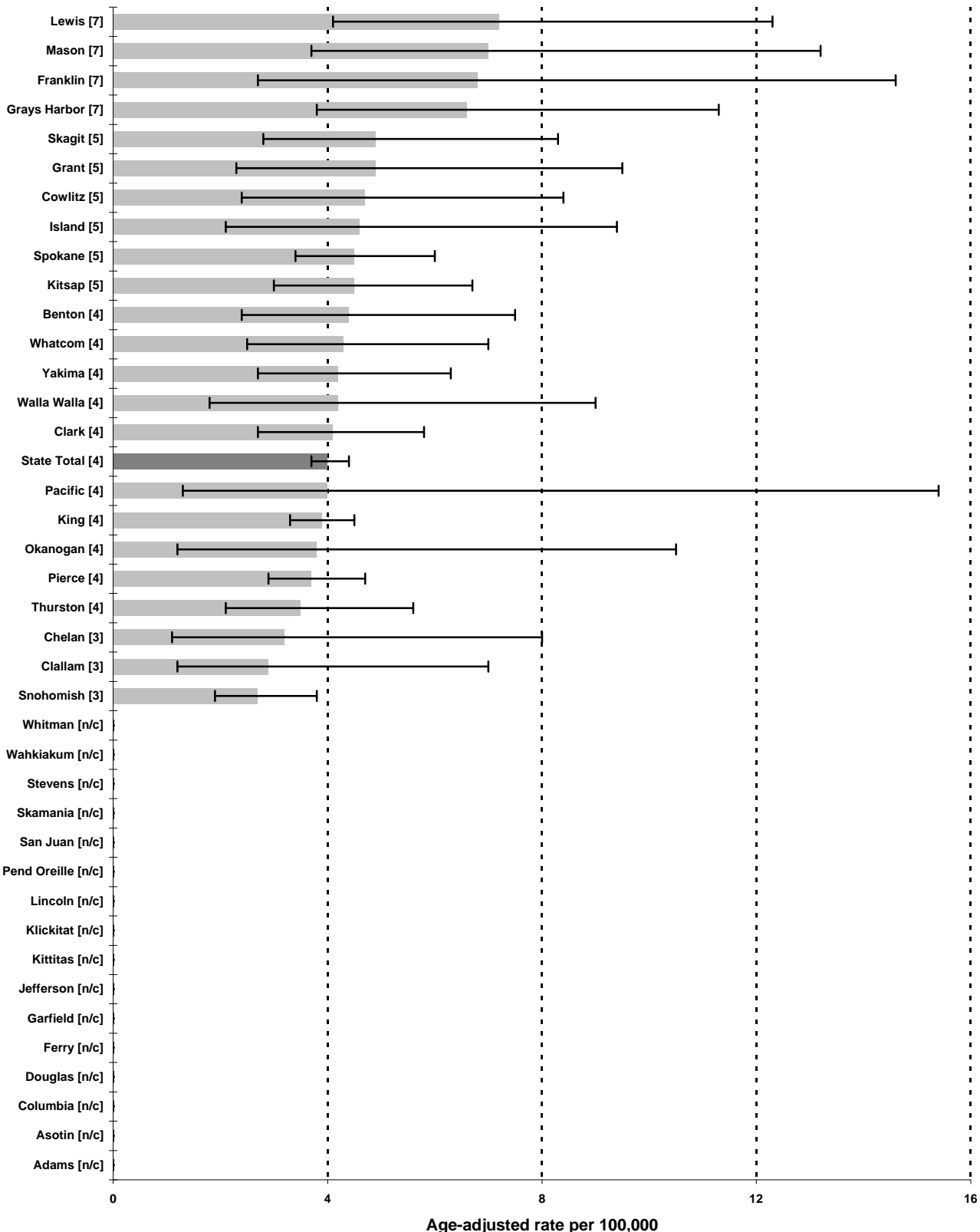
Region 12: Cowlitz, Klickitat, Skamania & Wahkiakum

Region 17: Asotin, Columbia, Garfield, Walla Walla & Whitman

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1992-1994 Washington State Residents

Average Annual Incidence Rates by County with rates in []'s and 95% CI's |—| census population

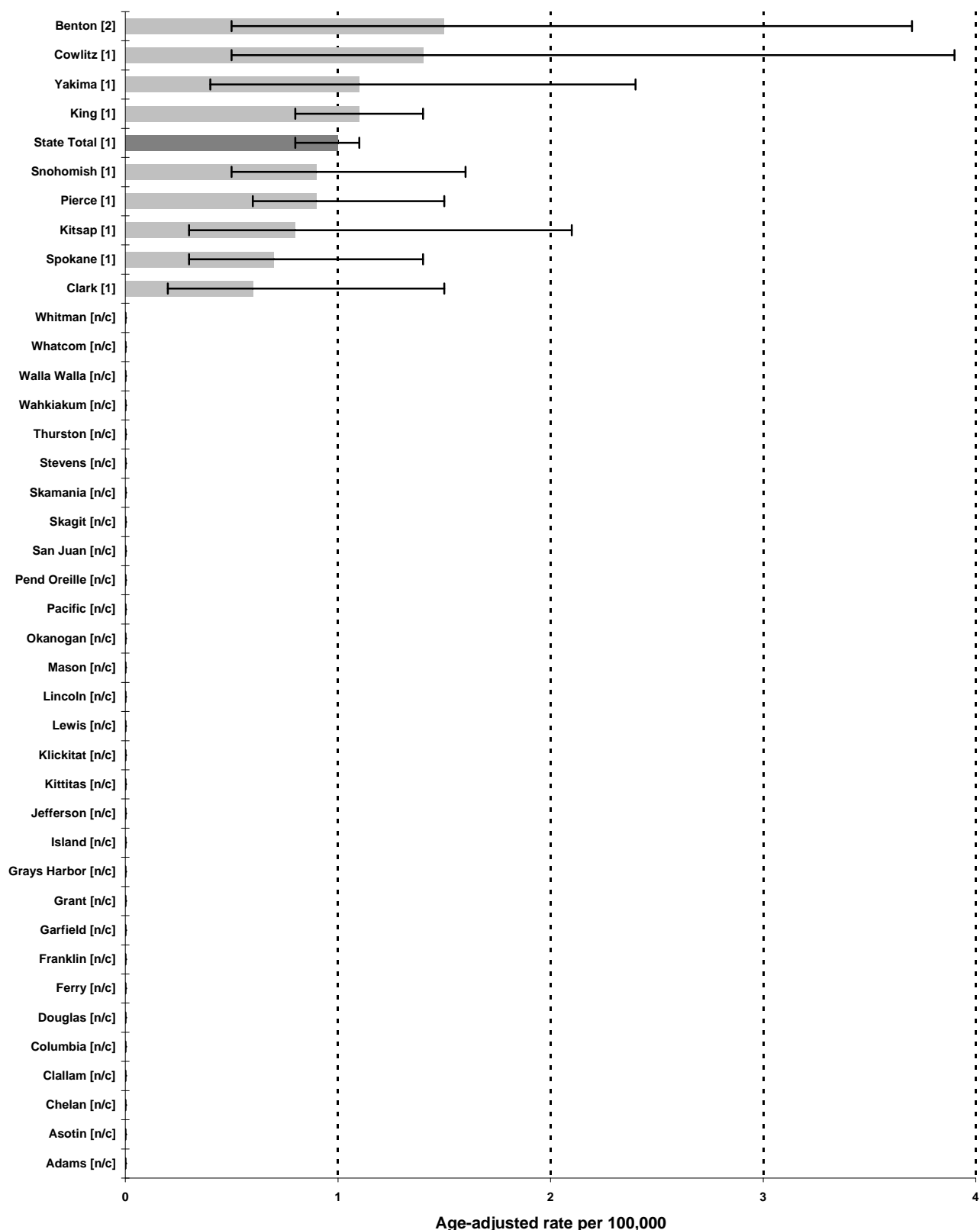


NOTE: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases is less than 5.

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1992-1994 Washington State Residents

Average Annual Mortality Rates by County with rates in []'s and 95% CI's |—| census population



NOTE: Rates and confidence intervals are not computed when the 1992-1994 total number of deaths is less than 5.

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1992-1994 Washington State Residents

Average Annual Incidence and Deaths by County

with Age-Adjusted Rates and 95% Confidence Intervals

County	Incidence					Deaths				
	1992-1994 Annual Average					1992-1994 Annual Average				
	Average New Cases per Year	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		Average Deaths per Year	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population	
		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates
Adams	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Asotin	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Benton	5	3.8	(2 - 7)	4.4	(2 - 8)	2	1.2	(0 - 3)	1.5	(1 - 4)
Chelan	2	2.6	(1 - 7)	3.2	(1 - 8)	1	n/c	n/c	n/c	n/c
Clallam	3	2.5	(1 - 7)	2.9	(1 - 7)	0	n/c	n/c	n/c	n/c
Clark	10	3.2	(2 - 5)	4.1	(3 - 6)	2	0.5	(0 - 1)	0.6	(0 - 2)
Columbia	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Cowlitz	4	4.0	(2 - 7)	4.7	(2 - 8)	2	0.8	(0 - 3)	1.4	(1 - 4)
Douglas	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Ferry	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Franklin	2	5.8	(2 - 12)	6.8	(3 - 15)	1	n/c	n/c	n/c	n/c
Garfield	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Grant	3	3.9	(2 - 8)	4.9	(2 - 10)	0	n/c	n/c	n/c	n/c
Grays Harbor	6	5.3	(3 - 10)	6.6	(4 - 11)	1	n/c	n/c	n/c	n/c
Island	3	3.9	(2 - 8)	4.6	(2 - 9)	1	n/c	n/c	n/c	n/c
Jefferson	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
King	61	3.1	(3 - 4)	3.9	(3 - 5)	18	0.8	(1 - 1)	1.1	(1 - 1)
Kitsap	9	3.8	(3 - 6)	4.5	(3 - 7)	2	0.6	(0 - 2)	0.8	(0 - 2)
Kittitas	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Klickitat	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Lewis	6	5.9	(3 - 11)	7.2	(4 - 12)	1	n/c	n/c	n/c	n/c
Lincoln	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Mason	4	5.5	(3 - 11)	7.0	(4 - 13)	1	n/c	n/c	n/c	n/c
Okanogan	2	3.3	(1 - 10)	3.8	(1 - 11)	1	n/c	n/c	n/c	n/c
Pacific	2	3.0	(1 - 14)	4.0	(1 - 15)	0	n/c	n/c	n/c	n/c
Pend Oreille	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Pierce	22	3.2	(2 - 4)	3.7	(3 - 5)	6	0.7	(0 - 1)	0.9	(1 - 2)
San Juan	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Skagit	6	3.7	(2 - 7)	4.9	(3 - 8)	0	n/c	n/c	n/c	n/c
Skamania	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Snohomish	12	2.3	(2 - 3)	2.7	(2 - 4)	4	0.7	(0 - 1)	0.9	(1 - 2)
Spokane	18	3.7	(3 - 5)	4.5	(3 - 6)	3	0.5	(0 - 1)	0.7	(0 - 1)
Stevens	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Thurston	6	2.9	(2 - 5)	3.5	(2 - 6)	1	n/c	n/c	n/c	n/c
Wahkiakum	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Walla Walla	3	3.2	(1 - 7)	4.2	(2 - 9)	1	n/c	n/c	n/c	n/c
Whatcom	6	3.6	(2 - 6)	4.3	(3 - 7)	1	n/c	n/c	n/c	n/c
Whitman	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Yakima	8	3.5	(2 - 5)	4.2	(3 - 6)	2	0.9	(0 - 2)	1.1	(0 - 2)
Unidentified	2	.	n/c	.	n/c	0	n/c	n/c	n/c	n/c
State Total	216	3.3	(3 - 4)	4.0	(4 - 4)	55	0.7	(1 - 1)	1.0	(1 - 1)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.

Larynx

1994 Washington State Residents

Incidence and Incidence Rates by PUMS Region with Age-Adjusted Rates and 95% Confidence Intervals

PUMS Regions	Total					Male					Female				
	New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population	
		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates
(1) Whatcom	7	3.9	(2 - 9)	5.0	(2 - 11)	5	5.9	(2 - 15)	7.4	(2 - 18)	2	n/c	n/c	n/c	n/c
(2) Island, San Juan, Skagit	11	3.7	(2 - 8)	4.6	(2 - 9)	8	6.2	(3 - 14)	7.2	(3 - 16)	3	n/c	n/c	n/c	n/c
(3) Chelan, Douglas, Kittitas, Okanogan	5	2.8	(1 - 7)	3.1	(1 - 8)	5	5.8	(2 - 15)	6.3	(2 - 16)	0	n/c	n/c	n/c	n/c
(4) Kitsap	5	2.1	(1 - 5)	2.3	(1 - 6)	3	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(5) Clallam, Jefferson, Mason	8	4.6	(2 - 11)	4.8	(2 - 11)	7	8.1	(3 - 20)	8.6	(3 - 20)	1	n/c	n/c	n/c	n/c
(6) Snohomish	12	2.3	(1 - 4)	2.7	(1 - 5)	11	4.5	(2 - 8)	5.2	(3 - 10)	1	n/c	n/c	n/c	n/c
(7) King	73	3.7	(3 - 5)	4.6	(4 - 6)	63	6.9	(5 - 9)	8.9	(7 - 11)	10	1.0	(0 - 2)	1.2	(1 - 2)
(8) Pierce	23	3.1	(2 - 5)	3.8	(2 - 6)	19	5.4	(3 - 9)	7.0	(4 - 11)	4	n/c	n/c	n/c	n/c
(9) Thurston	6	2.6	(1 - 6)	3.3	(1 - 8)	5	4.6	(1 - 12)	6.0	(2 - 15)	1	n/c	n/c	n/c	n/c
(10) Grays Harbor, Lewis, Pacific	12	4.8	(2 - 10)	6.3	(3 - 12)	8	6.7	(3 - 16)	9.0	(4 - 20)	4	n/c	n/c	n/c	n/c
(11) Clark	19	5.4	(3 - 9)	7.0	(4 - 11)	15	9.3	(5 - 16)	12.1	(7 - 20)	4	n/c	n/c	n/c	n/c
(12) Cowlitz, Klickitat, Skamania, Wahkiakum	8	5.2	(2 - 12)	6.3	(3 - 13)	4	n/c	n/c	n/c	n/c	4	n/c	n/c	n/c	n/c
(13) Adams, Ferry, Grant, Lincoln, Pend Oreille, Stevens	6	3.3	(1 - 8)	4.2	(2 - 10)	4	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(14) Spokane	18	3.9	(2 - 6)	4.6	(3 - 7)	12	5.4	(3 - 10)	6.3	(3 - 11)	6	2.6	(1 - 6)	3.1	(1 - 7)
(15) Benton, Franklin	9	5.6	(3 - 11)	6.3	(3 - 12)	8	10.0	(4 - 21)	11.2	(5 - 23)	1	n/c	n/c	n/c	n/c
(16) Yakima	3	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(17) Asotin, Columbia, Garfield, Walla Walla, Whitman	4	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
Unidentified	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
STATE TOTAL	229	3.5	(3 - 4)	4.3	(4 - 5)	183	6.0	(5 - 7)	7.4	(6 - 9)	46	1.3	(1 - 2)	1.6	(1 - 2)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.

Larynx

1994 Washington State Residents

Mortality and Mortality Rates by PUMS Region with Age-Adjusted Rates and 95% Confidence Intervals

PUMS Regions	Total					Male					Female				
	New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population		New Cases	Age Adjusted to 1940 US Census Population		Age Adjusted to 1970 US Census Population	
		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates		Rate per 100,000	95% CI for Rates	Rate per 100,000	95% CI for Rates
(1) Whatcom	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(2) Island, San Juan, Skagit	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(3) Chelan, Douglas, Kittitas, Okanogan	2	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(4) Kitsap	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(5) Clallam, Jefferson, Mason	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(6) Snohomish	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(7) King	21	0.9	(1 - 2)	1.2	(1 - 2)	16	1.6	(1 - 3)	2.2	(1 - 4)	5	0.3	(0 - 1)	0.5	(0 - 1)
(8) Pierce	8	0.7	(0 - 2)	1.1	(1 - 2)	8	1.8	(1 - 4)	2.9	(1 - 6)	0	n/c	n/c	n/c	n/c
(9) Thurston	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(10) Grays Harbor, Lewis, Pacific	2	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(11) Clark	2	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c
(12) Cowlitz, Klickitat, Skamania, Wahkiakum	2	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
(13) Adams, Ferry, Grant, Lincoln, Pend Oreille, Stevens	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(14) Spokane	4	n/c	n/c	n/c	n/c	3	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(15) Benton, Franklin	3	n/c	n/c	n/c	n/c	2	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(16) Yakima	2	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c
(17) Asotin, Columbia, Garfield, Walla Walla, Whitman	1	n/c	n/c	n/c	n/c	1	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
Unidentified	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c	0	n/c	n/c	n/c	n/c
STATE TOTAL	51	0.7	(1 - 1)	0.9	(1 - 1)	39	1.1	(1 - 2)	1.5	(1 - 2)	12	0.3	(0 - 1)	0.4	(0 - 1)

Note: Rates and confidence intervals are not computed when the 1992-1994 total number of new cases or deaths is less than 5.